

L Number	Hits	Search Text	DB	Time stamp
1	5	castleberry-tessa-a.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/27 10:25
2	8	lu-bihong.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/27 10:25
3	7	owen-thomas-a.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/27 10:25
4	10	canine same androgen same receptor same protein	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/27 10:26
5	2	wo adj "9711170"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/05/27 10:26

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NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in
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NEWS 5 FEB 05 German (DE) application and patent publication number format
changes
NEWS 6 MAR 03 MEDLINE and LMEADLINE reloaded
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 8 MAR 03 FRANCEPAT now available on STN
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN
NEWS 10 MAR 29 WPIFV now available on STN
NEWS 11 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA
NEWS 12 APR 26 PROMT: New display field available
NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field
available
NEWS 14 APR 26 LITAlert now available on STN
NEWS 15 APR 27 NLDB: New search and display fields available
NEWS 16 May 10 PROUSDDR now available on STN
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May
and June 2004
NEWS 18 May 12 EXTEND option available in structure searching
NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 20 May 17 FRFULL now available on STN

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT
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=> s castleberry tessa a/au
L1 8 CASTLEBERRY TESSA A/AU

=> s lu bihong/au
L2 18 LU BIHONG/AU

=> s owen thomas a/au
L3 75 OWEN THOMAS A/AU

=> s canine (s) androgen (s) receptor (s) protein
L4 19 CANINE (S) ANDROGEN (S) RECEPTOR (S) PROTEIN

=> dup rem l4
PROCESSING COMPLETED FOR L4
L5 18 DUP REM L4 (1 DUPLICATE REMOVED)

=> d l5 total ibib

L5 ANSWER 1 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 2003151948 EMBASE
TITLE: Androgen and prostatic stroma.
AUTHOR: Niu Y.-J.; Ma T.-X.; Zhang J.; Xu Y.; Han R.-F.; Sun G.
CORPORATE SOURCE: Dr. Y.-J. Niu, Department of Prostatic Disease, Tianjin
Institute Urological Surgery, Tianjin Medical University, 23
Pingjiang Road, Tianjin 300211, China.
niuyj@public.tpt.tj.cn
SOURCE: Asian Journal of Andrology, (2003) 5/1 (19-26).
Refs: 17
ISSN: 1008-682X CODEN: ASJAF8
COUNTRY: China
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
028 Urology and Nephrology
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:833559 CAPLUS
DOCUMENT NUMBER: 137:346923
TITLE: Cloning and characterization of canine androgen
receptor
INVENTOR(S): Castleberry, Tessa A.; Lu, Bihong; Owen, Thomas A.;
Smock, Steven L.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 20 pp.

CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002161194	A1	20021031	US 2001-8739	20011109
PRIORITY APPLN. INFO.:			US 2000-247373P	P 20001109

L5 ANSWER 3 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 2001359406 EMBASE
TITLE: Epididymal epithelium immortalized by simian virus 40 large T antigen: A model to study epididymal gene expression.
AUTHOR: Telgmann R.; Brosens J.J.; Kappler-Hanno K.; Ivell R.; Kirchhoff C.
CORPORATE SOURCE: C. Kirchhoff, Inst. Hormon/Fortpflanzungsforschung, Grandweg 64, D-22529 Hamburg, Germany. kirchhoff@ihf.de
SOURCE: Molecular Human Reproduction, (2001) 7/10 (935-945).
Refs: 57
ISSN: 1360-9947 CODEN: MHREFD
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology
022 Human Genetics
028 Urology and Nephrology
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 4 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN DUPLICATE 1

ACCESSION NUMBER: 2001421879 EMBASE
TITLE: Molecular cloning and functional characterization of the canine androgen receptor.
AUTHOR: Lu B.; Smock S.L.; Castleberry T.A.; Owen T.A.
CORPORATE SOURCE: T.A. Owen, Dept. of Cardiovasc./Metabolic Dis., Osteoporosis and Frailty Research, Pfizer Global R and D, Groton, CT 06340, United States
SOURCE: Molecular and Cellular Biochemistry, (2001) 226/1-2 (129-140).
Refs: 34
ISSN: 0300-8177 CODEN: MCBIB8
COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
028 Urology and Nephrology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 5 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 97137681 EMBASE
DOCUMENT NUMBER: 1997137681
TITLE: Gender-related differences in androgen regulation of thromboxane A2 receptors in rat aortic smooth-muscle cells.
AUTHOR: Higashiura K.; Mathur R.S.; Halushka P.V.
CORPORATE SOURCE: Dr. P.V. Halushka, Division of Clinical Pharmacology, Medical University of South Carolina, 171 Ashley Ave, Charleston, SC 29425, United States
SOURCE: Journal of Cardiovascular Pharmacology, (1997) 29/3 (311-315).

Refs: 35
ISSN: 0160-2446 CODEN: JCPCDT
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 018 Cardiovascular Diseases and Cardiovascular Surgery
030 Pharmacology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 6 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 1998004998 EMBASE
TITLE: Differential effect of keratinocyte growth factor (KGF) on
aromatase activity in cultured canine prostatic epithelial
cells.
AUTHOR: Canatan H.; Shidaifat F.; Kulp S.K.; Zhang Y.; Chang W.Y.;
Brueggemeier R.W.; Lin Y.C.
CORPORATE SOURCE: Y.C. Lin, Reproductive/Molec. Endocrinol. Lab., College of
Veterinary Medicine, Ohio State University, 1900 Coffey
Road, Columbus, OH 43210-1092, United States.
lin.15@osu.edu
SOURCE: Endocrine Research, (1997) 23/4 (311-323).
Refs: 39
ISSN: 0743-5800 CODEN: ENRSE8

COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 7 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 96295806 EMBASE
DOCUMENT NUMBER: 1996295806
TITLE: Body temperature (37 C) specifically down-regulates the
messenger ribonucleic acid for the major sperm surface
antigen CD52 in epididymal cell culture.
AUTHOR: Pera I.; Ivell R.; Kirchhoff C.
CORPORATE SOURCE: IHF, Grandweg 64,D-22529 Hamburg, Germany
SOURCE: Endocrinology, (1996) 137/10 (4451-4459).
ISSN: 0013-7227 CODEN: ENDOAO
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 8 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
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ACCESSION NUMBER: 93238922 EMBASE
DOCUMENT NUMBER: 1993238922
TITLE: Effect of combination treatment with zanoterone (WIN
49596), a steroidal androgen receptor antagonist, and
finasteride (MK-906), a steroidal 5 α - reductase
inhibitor, on the prostate and testes of beagle dogs.
AUTHOR: Juniewicz P.E.; Hoekstra S.J.; Lemp B.M.; Barbolt T.A.;
Devin J.A.; Gauthier E.; Frenette G.; Dube J.Y.; Tremblay
R.R.
CORPORATE SOURCE: Department of Oncology, Sterling Winthrop Pharma. Res.
Div.,Collegeville, PA 19426, United States
SOURCE: Endocrinology, (1993) 133/2 (904-913).
ISSN: 0013-7227 CODEN: ENDOAO

COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 003 Endocrinology
028 Urology and Nephrology
030 Pharmacology
037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 9 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 92165932 EMBASE
DOCUMENT NUMBER: 1992165932
TITLE: Demonstration of DNA binding factors interacting with a
fragment of the canine prostate arginine esterase gene
promoter.
AUTHOR: Chapdelaine P.; Guerin S.; Tremblay R.R.; Dube J.Y.
CORPORATE SOURCE: Laboratory of Hormonal Bioregulation, CHUL Research Center,
2705 Laurier Boulevard, Sainte-Foy, Que. G1V 4G2, Canada
SOURCE: FEBS Letters, (1992) 303/2-3 (117-120).
ISSN: 0014-5793 CODEN: FEBLAL
COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 10 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 91135999 EMBASE
DOCUMENT NUMBER: 1991135999
TITLE: Radiation-inactivation size of transformed and
non-transformed androgen receptor.
AUTHOR: Turcotte G.; Beauregard G.; Potier M.; Chevalier S.
CORPORATE SOURCE: Research Center, Maisonneuve-Rosemont Hospital, University
of Montreal, 5415 l'Assomption Boulevard, Montreal, Que.
H1T 2M4, Canada
SOURCE: Biochemical Journal, (1991) 275/1 (41-46).
ISSN: 0264-6021 CODEN: BIJOAK
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 028 Urology and Nephrology
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 11 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 90349820 EMBASE
DOCUMENT NUMBER: 1990349820
TITLE: Effects of androgen and antiandrogen treatment on canine
prostatic arginine esterase.
AUTHOR: Juniewicz P.E.; Barbolt T.A.; Egy M.A.; Frenette G.; Dube
J.Y.; Tremblay R.R.
CORPORATE SOURCE: Department of Oncopharmacology, Sterling Research Group,
Rensselaer, NY 12144, United States
SOURCE: Prostate, (1990) 17/2 (101-111).
ISSN: 0270-4137 CODEN: PRSTDS
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 005 General Pathology and Pathological Anatomy
016 Cancer
028 Urology and Nephrology
029 Clinical Biochemistry

037 Drug Literature Index
LANGUAGE: English
SUMMARY LANGUAGE: English

L5 ANSWER 12 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 85080251 EMBASE
DOCUMENT NUMBER: 1985080251
TITLE: Quantification of cytosolic steroid receptors in secretory and non-secretory epithelial cells of the canine prostate.
AUTHOR: Lamarre D.; Chevalier S.; McKercher G.; et al.
CORPORATE SOURCE: Endocrine Laboratory, Maisonneuve-Rosemont Hospital Research Center, Montreal, Que. H1T 2M4, Canada
SOURCE: Journal of Steroid Biochemistry, (1985) 22/1 (1-7).
CODEN: JSTBBK
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal
FILE SEGMENT: 029 Clinical Biochemistry
028 Urology and Nephrology
LANGUAGE: English

L5 ANSWER 13 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 80195746 EMBASE
DOCUMENT NUMBER: 1980195746
TITLE: Detection of an androgen receptor in the canine vas deferens.
AUTHOR: Dupuy G.M.; Boulanger P.; Roberts K.D.; et al.
CORPORATE SOURCE: Dept. Med., Univ. Montreal, Quebec, Canada
SOURCE: Journal of Steroid Biochemistry, (1980) 13/3 (305-309).
CODEN: JSTBBK
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal
FILE SEGMENT: 037 Drug Literature Index
003 Endocrinology
LANGUAGE: English

L5 ANSWER 14 OF 18 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1981:11131 CAPLUS
DOCUMENT NUMBER: 94:11131
TITLE: Androgen and estrogen receptors in the canine prostate
AUTHOR(S): Hawkins, Edward F.; Trachtenberg, John; Hicks, L. Louise; Walsh, Patrick C.
CORPORATE SOURCE: James Buchanan Brady Urol. Inst., Johns Hopkins Hosp., Baltimore, MD, USA
SOURCE: Journal of Andrology (1980), 1(5), 234-43
CODEN: JOAND3; ISSN: 0196-3635
DOCUMENT TYPE: Journal
LANGUAGE: English

L5 ANSWER 15 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 79225267 EMBASE
DOCUMENT NUMBER: 1979225267
TITLE: The demonstration of oestrogen, androgen and progestagen receptors in the cytosol fraction of canine mammary tumors.
AUTHOR: D'Arville C.N.; Pierrepont C.G.
CORPORATE SOURCE: Tenovus Inst. Cancer Res., Welsh Nat. Sch. Med., Cardiff, CF4 4XX, United Kingdom
SOURCE: European Journal of Cancer and Clinical Oncology, (1979) 15/6 (875-883).
CODEN: EJCAAH
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal

FILE SEGMENT: 037 Drug Literature Index
016 Cancer
003 Endocrinology
010 Obstetrics and Gynecology
LANGUAGE: English

L5 ANSWER 16 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 78323994 EMBASE
DOCUMENT NUMBER: 1978323994
TITLE: Androphilic and estrophilic molecules in canine prostate glands.
AUTHOR: Robinette C.L.; Blume C.D.; Mawhinney M.G.
CORPORATE SOURCE: Div. Urol., West Virginia Univ. Med. Cent., Morgantown, W.Va., United States
SOURCE: Investigative Urology, (1978) 15/5 (425-431).
CODEN: INURAQ
COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 003 Endocrinology
028 Urology and Nephrology
005 General Pathology and Pathological Anatomy
LANGUAGE: English

L5 ANSWER 17 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 78158929 EMBASE
DOCUMENT NUMBER: 1978158929
TITLE: Identification of limited capacity androgen binding components in nuclear and cytoplasmic fractions of canine prostate.
AUTHOR: Boesel R.W.; Klipper R.W.; Shain S.A.
CORPORATE SOURCE: Tom Slick Mem. Lab., Southwest Found. Res. Educ., San Antonio, Tex. 78284, United States
SOURCE: Endocrine Research Communications, (1977) 4/2 (71-84).
CODEN: EDRCAM
COUNTRY: United States
DOCUMENT TYPE: Journal
FILE SEGMENT: 037 Drug Literature Index
003 Endocrinology
029 Clinical Biochemistry
023 Nuclear Medicine
LANGUAGE: English

L5 ANSWER 18 OF 18 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN

ACCESSION NUMBER: 74047000 EMBASE
DOCUMENT NUMBER: 1974047000
TITLE: Estrogen binding to pancreas.
AUTHOR: Kirdani R.Y.; Sandberg A.A.; Murphy G.P.
CORPORATE SOURCE: Roswell Park Mem. Inst., Buffalo, N.Y., United States
SOURCE: Surgery, (1973) 74/1 (84-90).
CODEN: SURGAZ
DOCUMENT TYPE: Journal
FILE SEGMENT: 003 Endocrinology
023 Nuclear Medicine
LANGUAGE: English

10008739 Results
SEQ ID NO: 2

SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	4822	100.0	907	24	ABG74229	Canine Androgen re
2	4346	90.1	895	24	AAE32996	Macaca mulatta and
3	4338	90.0	895	24	AAE32995	Macaca mulatta and
4	4321.5	89.6	918	20	AAY33491	Human androgen rec
5	4321	89.6	919	18	AAW14783	Androgen receptor.
6	4321	89.6	919	21	AAY78914	Human androgen rec
7	4321	89.6	919	23	ABJ05582	Breast cancer-asso
8	4321	89.6	919	23	AAE19061	Human androgen rec
9	4321	89.6	919	24	ABJ19809	Androgen-independe
10	4318	89.5	919	10	AAP90996	Human androgen rec
11	4313	89.4	919	10	AAP93109	Human androgen rec
12	4310.5	89.4	918	12	AAR12223	Human androgen rec
13	4301.5	89.2	902	10	AAP91006	Rat androgen recep
14	4300.5	89.2	902	10	AAP93110	Rat androgen recep
15	4287.5	88.9	902	12	AAR12224	Rat androgen recep

RESULT 4

AAY33491

ID AAY33491 standard; Protein; 918 AA.

XX

AC AAY33491;

XX

DT 19-JAN-2000 (first entry)

XX

DE Human androgen receptor protein.

XX

KW Proapoptotic; dependence domain; p75NTR; androgen receptor; DCC;

KW huntingtin polypeptide; Machado-Joseph disease; SCA1; SCA2; SCA6;

KW atrophin-1; cell death; apoptosis; Huntington's disease; head trauma;

KW Alzheimer's disease; Kennedy's disease; spinocerebellar ataxia; stroke;

KW dentatorubropallidoluysian atrophy; cell proliferation; cell survival;

KW neoplastic; malignant; autoimmune; fibrotic.

XX

OS Homo sapiens.

XX

PN W09945944-A1.

XX

PD 16-SEP-1999.

XX

PF 11-MAR-1999; 99WO-US05250.

XX

PR 12-MAR-1998; 98US-0041886.

XX

PA (BURN-) BURNHAM INST.

XX

PI Bredesen DE, Rabizadeh S;

XX

DR WPI; 1999-561617/47.

DR N-PSDB; AAZ23424.

XX

PT New proapoptotic dependence peptides, used to develop products for

PT treating, e.g. Alzheimer's disease -

XX

PS Disclosure; Page 90-93; 199pp; English.

XX

CC This invention describes novel pure proapoptotic dependence peptides

CC which comprise a sequence of an active dependence domain selected from

CC dependence polypeptides consisting of p75NTR, androgen receptor, DCC,

CC huntingtin polypeptide, Machado-Joseph disease gene product, SCA1, SCA2,

CC SCA6 and atrophin-1 polypeptide. The proapoptotic peptides are capable

CC of inducing cell death and can be used to develop products to mediate or

CC inhibit apoptosis. The methods can be used for reducing the severity of

CC a proapoptotic dependence domain mediated pathological conditions e.g.


```

Db      822  |||||N|Q|K|F|D|E|L|R|M|N|Y|I|K|E|L|D|R|I|I|A|C|K|R|K|N|P|T|S|C|R|R|F|Y|Q|L|T|K|L|D|S|V|Q|P|I|A|R|E|L|H|Q|F|T|F|D|L|L|I 881
Qy      871  KSHMVSVD FPEMMAEIIISVQVPKILSGKV KPIYFHTQ 907
Db      882  |||||K|S|H|M|V|S|V|D|F|P|E|M|M|A|E|I|I|S|V|Q|V|P|K|I|L|S|G|K|V|K|P|I|Y|F|H|T|Q 918

```

RESULT 5

AAW14783

ID AAW14783 standard; Protein; 919 AA.

XX

AC AAW14783;

XX

DT 22-JUN-1997 (first entry)

XX

DE Androgen receptor.

XX

KW Androgen receptor; acidic fibroblast growth factor; aFGF;

KW antisense; benign prostatic hyperplasia; prostate cancer; therapy.

XX

OS Homo sapiens.

XX

PN W09711170-A1.

XX

PD 27-MAR-1997.

XX

PF 20-SEP-1996; 96WO-US15081.

XX

PR 20-SEP-1995; 95US-0004018.

XX

PA (WORC-) WORCESTER FOUND BIOMEDICAL RES.

XX

PI Zamecnik PA;

XX

DR WPI; 1997-202879/18.

DR

N-PSDB; AAT63407.

XX

PT Oligonucleotide(s) antisense to human androgen receptor and acidic

PT FGF genes - used to inhibit gene expression, for the treatment of

PT benign prostatic hyperplasia

XX

PS Disclosure; Page 22-28; 51pp; English.

XX

CC Human androgen receptor (AAW14783) binds testosterone and, acting

CC at the transcriptional level, regulates the growth of normal

CC prostatic cells. Antisense oligonucleotides (see also AAT63200,

CC AAT63404-05) based on an androgen receptor cDNA clone (see also

CC AAT63407) can be used to prevent androgen receptor gene expression,

CC thereby inhibiting the growth or survival of prostatic cells for

CC the treatment of benign prostatic hyperplasia and prostate cancer.

XX

SQ Sequence 919 AA;

Query Match 89.6%; Score 4321; DB 18; Length 919;

Best Local Similarity 87.6%; Pred. No. 3.2e-284;

Matches 822; Conservative 20; Mismatches 46; Indels 50; Gaps 5;

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Qy      1  MEVQLGLGRVYPRPPSKTYRGAFQNLFSVREVIQNPGRHPEAVSAAPPGAHL----- 54
Db      1  MEVQLGLGRVYPRPPSKTYRGAFQNLFSVREVIQNPGRHPEAASAAPPGASLLLLQQQ 60

Qy     55  -----QQQQQQQQQETSPRQQQQQQQGGDGSPQAQSRGPTGYLALDEEQQPSQQRS 106
Db     61  QQQQQQQQQQQQQQQQQQETSPR-QQQQQQGEDGSPQAHRRGPTGYLVLDDEEQQPSQPQS 119

Qy     107 ASKGHPESACVPEPGVTSATGKGLQQQQPAPPDENDSAAPSTLSLLGPTFPGLSSCSTDL 166
Db     120 ALECHPERGCVPEPGAAVAASKGLPQQLPAPPDEDDSAAPSTLSLLGPTFPGLSSCSADL 179

Qy     167 KDILSEAGTMQLLQQRQQQQQQQQQQQQQQQQQQQEVVSEGSSSGRAREAGASTSSKD 226

```


RESULT 1

US-09-041-886-11

; Sequence 11, Application US/09041886

; Patent No. 6235872

; GENERAL INFORMATION:

; APPLICANT: Bredesen, Dale E.

; APPLICANT: Rabizadeh, Sharroz

; TITLE OF INVENTION: Proapoptotic Peptides, Dependence

; TITLE OF INVENTION: Polypeptides and Methods of Use

; NUMBER OF SEQUENCES: 72

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Campbell & Flores LLP

; STREET: 4370 La Jolla Village Drive, Suite 700

; CITY: San Diego

; STATE: California

; COUNTRY: United States

; ZIP: 92122

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/041,886

; FILING DATE:

; CLASSIFICATION:

; ATTORNEY/AGENT INFORMATION:

; NAME: Campbell, Cathryn A.

; REGISTRATION NUMBER: 31,815

; REFERENCE/DOCKET NUMBER: P-LJ 2626

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (619) 535-9001

; TELEFAX: (619) 535-8949

; INFORMATION FOR SEQ ID NO: 11:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 918 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-09-041-886-11

Query Match 89.6%; Score 4321.5; DB 3; Length 918;

Best Local Similarity 87.7%; Pred. No. 0;

Matches 822; Conservative 20; Mismatches 46; Indels 49; Gaps 5;

```
QY      1 MEVQLGLGRVYPRPPSKTYRGAFQNLFSVREVIQNGPRHPEAVSAAPPGAHL----- 54
      |||
Db      1 MEVQLGLGRVYPRPPSKTYRGAFQNLFSVREVIQNGPRHPEAASAAPPGASLLLLQQQ 60

QY      55 ----QQQQQQQQQETSFRQQQQQQQDDGSPQAQSRGPTGYLALDEEQPSQQRSAASKG 110
      |||
Db      61 QQQQQQQQQQQQETSFR-QQQQQQGEDGSPQAHRGPTGYLVLDDEEQPSQPQSALEC 119

QY      111 HPESACVPEPGVTSATGKGLQQQPAPPDENDSAAPSTLSLLGPTFPGLSSCSTDLDKIL 170
      |||
Db      120 HPERGCVPEPGAAVAASKGLPQQLPAPDEDDSAAPSTLSLLGPTFPGLSSCSADLDKIL 179

QY      171 SEAGTMQLLQQQRQQQQQQQQQQQQQQQQQQQEVVSEGSSSGRAREAGASTSSKDSYLG 230
      |||
Db      180 SEASTMQLL-----QQQQQEA VSEGSSSGRAREAGAPTSSKDNLYLG 221

QY      231 GSSTISDSAKELCKAVSVSMGLGVEALEHLSPGEQLRGDCMYAPLLGGPPAVR--PCAPL 288
      |||
Db      222 GTSTISDNAELCKAVSVSMGLGVEALEHLSPGEQLRGDCMYAPLLGVPPAVRPTPCAPL 281

QY      289 AECKGSLDDGPGKGTETAEYSPFKAGYAKGLDGDLSGSSSSEAGSGTLEMPSTLSL 348
      |||
Db      282 AECKGSLDDSGAKSTEDTAEYSPFKGGYTKGLEGESLGCSGSAAAGSGTLELPSTLSL 341
```


R; Lubahn, D.B.; Joseph, D.R.; Sullivan, P.M.; Willard, H.F.; French, F.S.; Wilson, E.M.

Science 240, 327-330, 1988

A;Title: Cloning of human androgen receptor complementary DNA and localization to the X chromosome.

A;Reference number: A40109; MUID:88178112; PMID:3353727

A;Accession: A40109

A;Molecule type: DNA

A;Residues: 559-624 <LU2>

A;Cross-references: GB:M20132

R;Kuiper, G.G.J.M.; Faber, P.W.; van Rooij, H.C.J.; van der Korput, J.A.G.M.; Ris-Stalpers, C.; Klaassen, P.; Trapman, J.; Brinkmann, A.O.
J. Mol. Endocrinol. 2, R1-R4, 1989

A;Title: Structural organization of the human androgen receptor gene.

A;Reference number: A60946; MUID:89322749; PMID:2546571

A;Accession: A60946

A;Molecule type: DNA

A;Residues: 536-540;587-591;626-631;723-726;770-774;814-818;867-870 <KUI>

R;Lubahn, D.B.; Joseph, D.R.; Sar, M.; Tan, J.; Higgs, H.N.; Larson, R.E.; French, F.S.; Wilson, E.M.

Mol. Endocrinol. 2, 1265-1275, 1988

A;Title: The human androgen receptor: complementary deoxyribonucleic acid cloning, sequence analysis and gene expression in prostate.

A;Reference number: A34942; MUID:89112208; PMID:3216866

A;Accession: A34942

A;Molecule type: mRNA

A;Residues: 1-919 <LU3>

A;Cross-references: GB:M20132; NID:g178627; PIDN:AAA51729.1; PID:g178628; GB:J03180

R;Trapman, J.; Klaassen, P.; Kuiper, G.G.J.M.; van der Korput, J.A.G.M.; Faber, P.W.; van Rooij, H.C.J.; van Kessel, A.G.; Voorhorst, M.M.; Mulder, E.; Brinkmann, A.O.
Biochem. Biophys. Res. Commun. 153, 241-248, 1988

A;Title: Cloning, structure and expression of a cDNA encoding the human androgen receptor.

A;Reference number: A27653; MUID:88240407; PMID:3377788

A;Accession: A27653

A;Molecule type: mRNA

A;Residues: 468-564,'K',566-919 <TRA>

A;Cross-references: GB:M20260; NID:g178891; PIDN:AAA51774.1; PID:g178892

A;Note: the authors translated the codon AAG for residue 565 as Glu

R;Chang, C.; Kokontis, J.; Liao, S.

Science 240, 324-326, 1988

A;Title: Molecular cloning of human and rat complementary DNA encoding androgen receptors.

A;Reference number: A40108; MUID:88178111; PMID:3353726

A;Accession: A40108

A;Molecule type: mRNA

A;Residues: 557-628 <CHA>

A;Cross-references: GB:M18624

R;Chang, C.; Kokontis, J.; Liao, S.

Proc. Natl. Acad. Sci. U.S.A. 85, 7211-7215, 1988

A;Title: Structural analysis of complementary DNA and amino acid sequences of human and rat androgen receptors.

A;Reference number: A40494; MUID:89017168; PMID:3174628

A;Accession: A40494

A;Molecule type: mRNA

A;Residues: 1-74,79-89,'H',90-472,'GGG',473-474,'E',476-644,'N',646-919 <CH2>

A;Cross-references: GB:M23263

R;Tilley, W.D.; Marcelli, M.; Wilson, J.D.; McPhaul, M.J.

Proc. Natl. Acad. Sci. U.S.A. 86, 327-331, 1989

A;Title: Characterization and expression of a cDNA encoding the human androgen receptor.

A;Reference number: A32224; MUID:89098909; PMID:2911578

A;Accession: A32224

A;Molecule type: mRNA

A;Residues: 1-77,79-211,'R',213-471,473-919 <TIL>

A;Cross-references: GB:M21748; GB:J04150; NID:g178871; PIDN:AAA51771.1; PID:g178872

R;Mowszowicz, I.; Lee, H.J.; Chen, H.T.; Mestayer, C.; Portois, M.C.; Cabrol, S.; Mauvais-Jarvis, P.; Chang, C.

Mol. Endocrinol. 7, 861-869, 1993

A;Title: A point mutation in the second zinc finger of the DNA-binding domain of the androgen receptor gene causes complete androgen insensitivity in two siblings with receptor-positive androgen resistance.

A;Reference number: A40715; MUID:94019395; PMID:8413310

A;Accession: A40715

A;Status: not compared with conceptual translation
 A;Molecule type: DNA
 A;Residues: 557-614, 'H', 616-624 <MOW>
 A;Cross-references: PIDN:AAB28340.1; PID:g425580
 C;Genetics:
 A;Gene: GDB:AR
 A;Cross-references: GDB:120556; OMIM:313700
 A;Map position: Xq11-Xq12
 A;Introns: 538/2; 589/1; 628/1; 724/1; 772/2; 816/1; 868/3
 C;Superfamily: unassigned erbA-related proteins; erbA transforming protein homology
 C;Keywords: DNA binding; steroid binding; transcription regulation; zinc finger
 F;557-815/Domain: erbA transforming protein homology <ERBA>
 F;559-579/Region: zinc finger
 F;595-619/Region: zinc finger

Query Match 89.6%; Score 4321; DB 2; Length 919;
 Best Local Similarity 87.6%; Pred. No. 5.2e-230;
 Matches 822; Conservative 20; Mismatches 46; Indels 50; Gaps 5;

Qy	1	MEVQLGLGRVYPRPPSKTYRGAFQNLFSQSVREVIQNPGRHPEAVSAAPPGAHL-----	54
Db	1	MEVQLGLGRVYPRPPSKTYRGAFQNLFSQSVREVIQNPGRHPEAASAAPPGASLLLLLQQQ	60
Qy	55	-----QQQQQQQQQETSPRQQQQQQQGGDGPQAQSRGPTGYLALDEEQPSQQRS	106
Db	61	QQQQQQQQQQQQQQQETSPR-QQQQQQGEDGSPQAHRRGPTGYLVLDEEQPSQPQS	119
Qy	107	ASKGHPESACVPEPGVTSATGKGLQQQQPAPPDENDSAAPSTLSLLGPTFPGLSSCSTDL	166
Db	120	ALECHPERGCVPEGAAVAASKGLPQQLPAPPDEDDSAAPSTLSLLGPTFPGLSSCSADL	179
Qy	167	KDILSEAGTMQLLQQQRQQQQQQQQQQQQQQQEVVSEGSSSGRAREAAAGASTSSKD	226
Db	180	KDILSEASTMQLL-----QQQQQEAVSEGSSSGRAREASGAPTSSKD	221
Qy	227	SYLGGSSSTISDSAKELCKAVSVSMGLGVEALEHLSPEQLRGDCMYAPLLGGPPAVR--P	284
Db	222	NYLGGTSTISDNAKELCKAVSVSMGLGVEALEHLSPEQLRGDCMYAPLLGVPPAVRPTP	281
Qy	285	CAPLAECKGSLDDGPGKGTEETAEYSPFKAGYAKGLDGDLSGCSSESSEAGSGTLEMP	344
Db	282	CAPLAECKGSLDDDSAGKSTEDTAEYSPFKGGYTKGLEGESLGCSGSAAAGSSGTLELPS	341
Qy	345	TLSLYKSGALDEAAAYQSRDYNNFPLSLGGPPPPPPPPHTRIKLENPLDYGSAAAAA	404
Db	342	TLSLYKSGALDEAAAYQSRDYNNFPLALAGPPPPPPPPHTRIKLENPLDYGSAAAAA	401
Qy	405	AQCRYGDLASLHGAGAAGPSSGSPSATTSSSWHTLFTAEEGQLYGPGGGGGGSGAGD--	462
Db	402	AQCRYGDLASLHGAGAAGPGSGSPSAAASSSWHTLFTAEEGQLYGPGGGGGGGGGGGG	461
Qy	463	-----GSVAPYGYTRPPQGLAQEGDFPPPDVWYPGGVVSrvpfpSPSCVKS	509
Db	462	GGGGGGGGGGGEAGAVAPYGYTRPPQGLAQGESDFTAPDVWYPGGMVSRVPYSPSCVKS	521
Qy	510	EMGSWMESYSGPYGDMRLETARDHVLPIDYYFPPQKTCLICGDEASGCHYGALTGCSCKV	569
Db	522	EMGPWMSYSGPYGDMRLETARDHVLPIDYYFPPQKTCLICGDEASGCHYGALTGCSCKV	581
Qy	570	FFKRAAEGKQKYLcasrNDCTIDKFRRNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQE	629
Db	582	FFKRAAEGKQKYLcasrNDCTIDKFRRNCPSCRLRKCYEAGMTLGARKLKKLGNLKLQE	641
Qy	630	EGEASNVTSPTTEPTQKLTVSHIEGYECQPIFLNVLEAIEPGVVcaghdNNQpdsFAALL	689
Db	642	EGEASSTTSPTTEPTQKLTVSHIEGYECQPIFLNVLEAIEPGVVcaghdNNQpdsFAALL	701
Qy	690	SSLNELGERQLVHVVKWAKALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWRsFTNVNSRM	749
Db	702	SSLNELGERQLVHVVKWAKALPGFRNLHVDDQMAVIQYSWMGLMVFAMGWRsFTNVNSRM	761

[illegible]